

# MOLDED LIGHTWEIGHT FOAM ACOUSTICAL BARRIER AND METHOD OF ATTENUATING NOISE

## Abstract

An acoustical barrier comprises a layer of molded firm-flexible foam that is generally configured to match the acoustical requirements in an environment and mounted against a sound-transmitting substrate and can have one or more areas of patterned recesses along a substrate-facing side or varying thickness tailored to the intensity of sound transmitted through the sound-transmitting substrate with or without a thin, impervious barrier layer overlying the foam layer.